

REMARKS

Claims 1-26 were pending in the above-identified application when last examined. Claims 10-25 stand allowed. Claims 1-3, 5-9, and 26 stand rejected and the rejection was made final. Pursuant to 37 C.F.R. § 1.116(b)(1), Applicants request entry of the above-amendment to cancel rejected claims 1-3 and amend objected-to claim 4 to comply with a requirement of form expressly set forth in the Final Office Action. Pursuant to 37 C.F.R. § 1.116(b)(2), Applicants also request entry of the amendment of claims 6, 7, and 26.

Claim 26 was rejected under 35 U.S.C. § 112, second paragraph. Claim 26 as amended depends from claim 4, and line 7 of claim 4 provides antecedent basis for "n" in claim 26. In view of the above amendment, Applicants request reconsideration and withdrawal of the rejection under 35 U.S.C. § 112.

Claims 1-3, 5-9, and 26 were rejected under 35 U.S.C. § 103(a) as unpatentable over "Experimental Implementation of a Quantum Game" by Carsten Schuck, July 22, 2003 (hereinafter Schuck) in view of "Multiplayer Quantum Games" by Simon C. Benjamin et al. (hereinafter Benjamin). Claims 1-3 are canceled. Claims 6, 7, and 26 are amended, so that claims 5-9 and 26 depend from objected-to claim 4. Claims 5-9 and 26 are patentable over Schuck and Benjamin for at least the same reasons that claim 4 is patentable as set forth below. Accordingly, Applicants request reconsideration and withdrawal of the rejection under 35 U.S.C. § 103.

Claim 4 was objected to as dependent upon a rejected claim but was indicated as being allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. In response, claim 4 is amended to independent form including the limitations of base claim 1. Claim 4 is therefore in condition for allowance, and Applicants request reconsideration and withdrawal of the objection to claim 4.

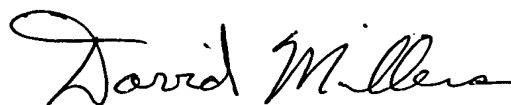
In summary, claims 1-26 were pending in the application. Claims 10-25 were allowed. This response amends claims 4, 6, 7, and 26 and cancels claims 1-3. For the above reasons, Applicants respectfully request withdrawal of the final rejection and allowance of the application including claims 4-26.

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Respectfully submitted,



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